



SDP 88-57

GENERAL NOTES

- 1 ALL WATER LINES SHALL BF CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE
- 2 ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, 1 e , STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- 3 APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. FROM BEST AVAILABLE INFORMATION THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE
- 4 THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS

1-800-257-7777 MISS UTILITY 725-9976 C & P TELEPHONE COMPANY 992-2366 HOWARD COUNTY BUREAU OF UTILITIES 393-3553 AT&T CABLE LOCATION DIVERSION 685-0123 BALTIMORE GAS & ELECTRIC COMPANY 531-5533 STATE HIGHWAY ADMINISTRATION 792-7272 HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)

- 6 ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- 7 ALL PIPE ELEVATIONS SHOWN ARE INVERT
- 8 THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS
- 9. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS
- 10 NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- 11 TOPO TAKEN FROM FIELD RUN SURVEY DATED DECEMBER, 1985 BY THE RIEMER GROUP
- 12. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 13. ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS
- 14. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND /OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPNSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WOFK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- 1) II N KULERENCE PI N N N N 624 & 6624
- TO FIDEMINE CONTROL AND STORM WATER MANAGEMENT IS PROVED IN BY

STANDARD SYMBOL -- PAVEMENT - MOUNTABLE BERM PROFILE AVEMENT PLAN VIEW CONSTRUCTION SPECIFICATIONS Stone Size - Use 2° stone, or reclaimed or recycled concrete equivalent. Length - As required, but not less than 50 feet (except on a single reai-

- dence lot where a 30 foot minimum length would apply). Thickness - Not less than six (6) inches. Midth - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot. Surface Mater - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical,
- a mountable berm with 5:1 slopes will be permitted. Mairtenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of addiment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and reps and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately Washing - Wheels shall be cleaned to remove sediment prior to entrance onto

public rights-of-way When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping

Periodic inspection and needed seintenance shall be provided after each rain.

CONSTRUCTION ENTRANCE

(NO SCALE)

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further

Seedbed Preparation Loosen upper three inches of soil by raking, discing or other acceptable means before seeding

Soil Amendments Apply 0-20-20 fertilizer at the rate of 600 lbs per Harrow or disc I me and 0-20-20 fertilizer into the soil to a minimum depth of 3" Lawns or high maintenance areas will be dragged and leveled with a York rake At the time of seeding, apply 400 lbs of 30-0-0 ureaform fertilizer and 500 lbs of 10-20-20 or equivalent

For the periods March 1 thru April 30, and August 1 thru 15, seed with 40 lbs per acre (1 lb/1000 sq ft) of a mixture of certified 'Merion' Kentucky bluegrass common Ketucky bluegrass @ 40 lbs per acre (1 lb /1000 sq ft) and Red Fescue, Pennlawn or James mown @ 20 lbs per acre (0 5 lb /1000 sq ft) for the period May 1 thru July 31, seed with 40-40-20 mix as specified above and 2 lbs per acre (0.05 lbs /1000 sq ft) of weeping lovegrass During the period of October 16 thru February 28 protect site by (Option 1) 2 tons per acre of weil-anchored straw mulch and seed as soon as possible in the spring (Option 2) Use sod (Option 3) Seed with 40-40-20 mix specified above and mulch with 2 tons/acre well-anchored straw

Apply 12 to 2 tons per acre (70 to 90 lbs /1000 sq ft) of unrotted small grain straw immediately after seeding Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas On slopes 8 feet or higher, use 348 gallons per acre (8 gal /1000 sq ft)

Maintenance Inspect all seeded areas and make needed repairs,

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a

Seedbed Preparation Loosen upper three inches of soil by raking, discing or other acceptable means before seeding

Apply 600 lbs per scre 10-10-10 fertilizer (14 Soil Amendments
| Apply 600 lbs | per acre 10-10-10 relatives (15 | lbs /1000 sq ft) | Where soil is highly acidic, apply dolomitic limestone at the rate of 1 ton per acre

For periods March 1 thru April 30 and from Agust 15 thru November 15, seed with 140 lbs per acre of annual rye (3 2 lbs./1000 sq ft) For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (07 lbs /1000 sq ft) For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use

Mulching Apply 15 to 2 tons per acre (70 to 90 lbs /1000 sq ft) of unrotted small grain straw immediately after seeding Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal /1000 sq ft) of emulsified asphalt on flat areas slopes, 8 ft or higher, use 348 gal per acre (8 gal /1000 sq ft) for

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered

SEDIMENT CONTROL NOTES

- 1 A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (992-2437)
- 2 All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
- 3 Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3 1, b) 14 days as to all other disturbed or graded areas on the project site.
- 4 All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage
- 5 All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec 51) sod (Sec 54), temporary seeding (Sec 50) and mulching (Sec 52) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses
- 6 All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector
- 7 Site Analysis Total Area of Site 52 acres Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized Total Cut total Fill
- 8 Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of

362 acres

DATE 10-23-87

- 9 Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector 10 Site grading will begin only after all perimeter sediment control
- measures have been installed and are in a functioning condition 1 Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans

DETAIL SHEET THE RIEMER GROUP, INC. The Riemer Group Inc. A Land Planning, Design & Civil Engineering Firm Artesti 3105 North Ridge Road, Ellicott City Maryland 21043 (301) +61 2690 DIVISION OF LAND DEVAL " 11 6 ZONING ABMINUTY HOWARD COUNTY, ILL. ILL. 3

ARTHUR E MUEGGE \$ 8707

DESIGNED BY M S DRAWN BY M S PROJECT NO 27105 DATE AUGUST 26, 1987 SCALE AS SHOWN

WE CERTIF THAT ALL DEVELOPMENT AND CONSTRUCTION WILL

SE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBIL

TRESONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A

JERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL

RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL (

SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT OF ME

AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTRO.

REPRESENTS A PRACIICAL AND WORKABIL PLAN BASED ON MY

PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND IHAT IT WAS

PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD

HIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND

LUIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED. FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

PPROVED. HOWARD COUNTY OFFICE OF PLANNING AND ZONING

APPROVED. FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM

REVISION

NEUMAN-JANET DEVELOPMENT GROUP

406 HEADQUARTERS DRIVE

MILLERSVILLE, MARYLAND 21108

SUITE 207

SECTION ONE

SINGLE FAMILY DETACHED UNITS 21-52

RIVER MILLS

2ND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

122-88

PARCEL 847

DRAINAGE SYSTEMS AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, BUREAU OF ENGINEERING/

HOWARD COUNTY HEALTH DEPARTMENT

BY THE ENGINEER

SOIL CONSERVATION DISTRICE."

ARTHUR E MUEGGE

ND MEFTS TECHNICAL REQUIREMENTS

A CALEF, DIVISION OF LAND

A'MINISTRATION

DATE NO

OWNER / DEVELOPER

AREA TAX MAP NO 24

EVELOPMENT AND ZONING

VARIES 141-0" MIN , 241-0" MAX VARIES 101-0" MIN , EO'-0" MAX - FRONT SIDEWALK ELEVATION CURB BELOW GUTTER LINE 6"x6' #2 9x#2 9 REINE. DAL 12" 25 SLOPE - PRIVATE DRIVEWAY PAVING THE CONC , 1/2" PREFORMED 1/2" PREFORMED BITUMINOUS EXP JOINT FILLER TO BE EXPANSION JOINT FILLER PROVIDED AT THE RIWLING DRAWN BY CHECKED BY HOWARD COUNTY MARYLAND RESIDENTIAL DRIVENAY ENTRANCE BEPARTMENT OF PUBLIC WORKS NO SCALE CLOSED SECTION WITH MODIFIED COMBINATION

SEQUENCE OF CONSTRUCTION

4 COMPLETE GRADING AND OTHER CONSTRUCTION ACTIVITIES *

2 REPAIR AND MANTAIN EXISTING SEDIMENT CONTROLS AS SHOWN ON F-85-113

PATAPSCO RIVER ROAD INSTALL STABILIZED CONSTRUCTION ENTRANCES

AS SHOWN, OR AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.

5 STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT

SEDIMENT TRAPS ARE REMOVED AS DIFELTED BY THE SEDIMENT CONTROL INSTECTOR

6 IF ALL OTHER SITE WORK IS COMPLETE AND STABILIZED, REFER TO

* DELAY CONSTRUCTION OF HOMES ON -OTS 47, 50, AND =1 UNTIL EXISTING

CONVERT SEDIMENT BASINS TO STORM WATER MANAGEMENT.

F-85-113 FOR PROCEDURES TO REMOVE SEDIMENT CONTROLS AND

3 IF TRACKING OF MUD BECOMES APPARENT ON LOWER MILL COURT OR

I OBTAIN GRADING PERMIT

SEEDING NOTES

Approved 2 Kind and Color to B1
Chief-Ber of Eagr Date

RESIDENTIAL DRIVEWAY AND ENTRANCE DETAIL (NO SCALE)

CURB AND GUTTER AND SIDENALK